

=> d his

(FILE 'HOME' ENTERED AT 18:18:42 ON 13 AUG 2001)

FILE 'REGISTRY' ENTERED AT 18:18:48 ON 13 AUG 2001

L1 STRUCTURE UPLOADED

L2 5 S L1

L3 100 S L2 FULL

FILE 'CA' ENTERED AT 18:19:52 ON 13 AUG 2001

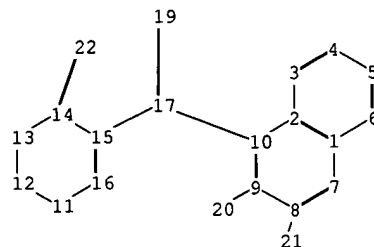
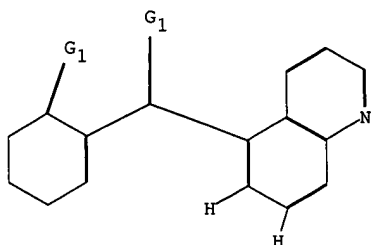
L4 2 S L3

L5 2 S L4 AND WITSCHER, M?/AU

FILE 'CAOLD' ENTERED AT 18:20:37 ON 13 AUG 2001

=> s 13

L6 0 L3



chain nodes :

17 19 20 21 22

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

chain bonds :

8-21 9-20 10-17 14-22 15-17 17-19

ring bonds :

1-2 1-6 1-7 2-3 2-10 3-4 4-5 5-6 7-8 8-9 9-10 11-12 11-16 12-13 13-14
14-15 15-16

exact/norm bonds :

14-22 17-19

exact bonds :

8-21 9-20 10-17 11-12 11-16 12-13 13-14 14-15 15-16 15-17

normalized bonds :

1-2 1-6 1-7 2-3 2-10 3-4 4-5 5-6 7-8 8-9 9-10

isolated ring systems :

containing 1 : 11 :

G1:O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 19:CLASS 20:CLASS 21:CLASS
22:CLASS

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal612BXR

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
 NEWS 2 Dec 17 The CA Lexicon available in the CAPLUS and CA files
 NEWS 3 Feb 06 Engineering Information Encompass files have new names
 NEWS 4 Feb 16 TOXLINE no longer being updated
 NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure
 NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
 NEWS 7 May 07 DGENE Reload
 NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL
 NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's
 DWPI and DPCI

NEWS EXPRESS July 11 CURRENT WINDOWS VERSION IS V6.0b,
 CURRENT MACINTOSH VERSION IS V5.0C (ENG) AND V5.0JB (JP),
 AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2001

NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS INTER General Internet Information
 NEWS LOGIN Welcome Banner and News Items
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:18:42 ON 13 AUG 2001

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 18:18:48 ON 13 AUG 2001

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2001 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 12 AUG 2001 HIGHEST RN 351181-97-0
DICTIONARY FILE UPDATES: 12 AUG 2001 HIGHEST RN 351181-97-0

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
for details.

=>

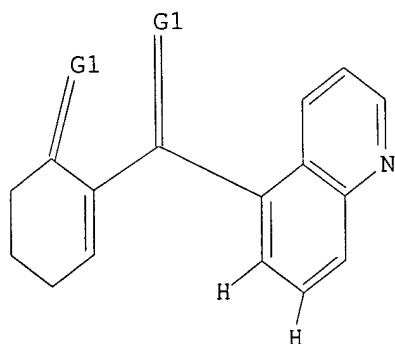
Uploading 09763704.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 18:19:41 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS
SEARCH TIME: 00.00.01

5 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 7 TO 298
PROJECTED ANSWERS: 5 TO 234

L2 5 SEA SSS SAM L1

=> s 12 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 133.25 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 18:19:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 139 TO ITERATE

100.0% PROCESSED 139 ITERATIONS 100 ANSWERS
SEARCH TIME: 00.00.02

L3 100 SEA SSS FUL L1

=> file ca

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	133.87	134.02

FILE 'CA' ENTERED AT 18:19:52 ON 13 AUG 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

FILE COVERS 1947 - 9 Aug 2001 VOL 135 ISS 8
FILE LAST UPDATED: 9 Aug 2001 (20010809/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

The CA file now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

Attention, the CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

=> s 13

L4 2 L3

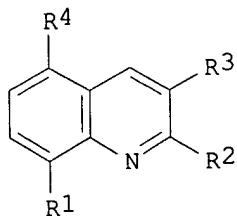
=> s 14 and witschel, m?/au

L5 64 WITSCHHEL, M?/AU
2 L4 AND WITSCHHEL, M?/AU

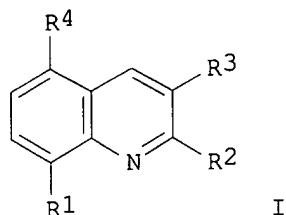
=> d 15, ibib abs fhitr, 1-2

L5 ANSWER 1 OF 2 CA COPYRIGHT 2001 ACS
ACCESSION NUMBER: 132:207770 CA
TITLE: Preparation of oxocyclohexenoylquinolines as
herbicides.
INVENTOR(S): **Witschel, Matthias**; Misslitz, Ulf; Baumann,
Ernst; Von Deyn, Wolfgang; Langemann, Klaus; Mayer,
Guido; Neidlein, Ulf; Gotz, Roland; Gotz, Norbert;
Rack, Michael; Engel, Stefan; Otten, Martina;
Westphalen, Karl-Otto; Walter, Helmut
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 100 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000014069	A1	20000316	WO 1999-EP6322	19990827
W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HR, HU, ID, IL, IN, JP, KR, KZ, LT, LV, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9957425	A1	20000327	AU 1999-57425	19990827
EP 1112256	A1	20010704	EP 1999-944541	19990827
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRIORITY APPLN. INFO.:			DE 1998-19840799 A	19980908
			WO 1999-EP6322 W	19990827
OTHER SOURCE(S):			MARPAT 132:207770	
GI				



I

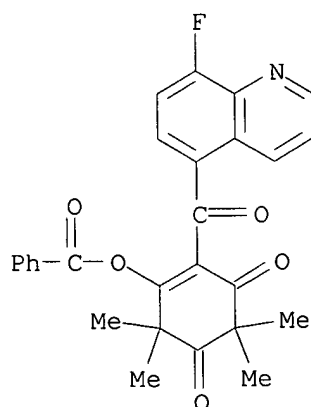


AB Title compds. [I; R1 = H, NO₂, halo, cyano, alkyl, haloalkyl, alkoxyiminomethyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfinyl, haloalkylsulfinyl, alkylsulfonyl, haloalkylsulfonyl, (substituted) aminosulfonyl, sulfonylamino, PhO, heterocyclyloxy, PhS, heterocyclylthio; R2, R3 = H, alkyl, haloalkyl, halo; R4 = substituted (3-oxo-1-cyclohexen-2-yl)carbonyl, (1,3-dioxo-2-cyclohexyl)methylidene], were prepd. Thus, 2-(8-chloroquinolin-5-yl)carbonyl-4,4,6,6-tetramethylcyclohexan-1,3,5-trione in CH₂Cl₂ was treated with (COCl)₂ and DMF followed by 1.5 h stirring to give

2-[(8-chloroquinolin-5-yl)carbonyl]-1-chloro-4,4,6,6-tetramethylcyclohex-1-en-1,3,5-trione and 2-(8-chloroquinolin-5-yl)chloromethylidene-4,4,6,6-tetramethylcyclohexan-1,3,5-trione. Several I at 0.125-0.25 kg/ha postemergent showed very good activity against *Setaria faberi*, *Setaria viridis*, and *Solanum nigrum*.

IT **260795-09-3P**
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of oxocyclohexenoylquinolines as herbicides)

RN 260795-09-3 CA
 CN 4-Cyclohexene-1,3-dione, 5-(benzoyloxy)-4-[(8-fluoro-5-quinolinyl)carbonyl]-2,2,6,6-tetramethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT:
 REFERENCE(S):

4
 (1) Basf Ag; WO 9812180 A 1998 CA
 (2) Basf Ag; WO 9812180 A 1998 CA

- (3) Imperial Chemical Industries Plc; EP 0283261 A
1988 CA
- (4) Imperial Chemical Industries Plc; EP 0283261 A
1988 CA

L5 ANSWER 2 OF 2 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 128:243961 CA

TITLE: Preparation of heteroaroylcyclohexanediones as herbicides

INVENTOR(S): Otten, Martina; Gotz, Norbert; Von Deyn, Wolfgang; Engel, Stefan; Kardorff, Uwe; Plath, Peter; Hill, Regina Luise; **Witschel, Matthias**; Misslitz, Ulf; Westphalen, Karl-Otto; Walter, Helmut

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; Otten, Martina; Gotz, Norbert; Von Deyn, Wolfgang; Engel, Stefan; Kardorff, Uwe; Plath, Peter; Hill, Regina Luise; Witschel, Matthias; et al.

SOURCE: PCT Int. Appl., 86 pp.

CODEN: PIXXD2

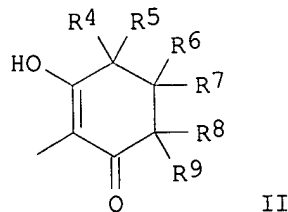
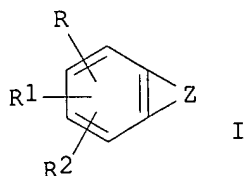
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9812180	A1	19980326	WO 1997-EP4894	19970909
W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, IL, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, UZ, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19638486	A1	19980326	DE 1996-19638486	19960920
AU 9743833	A1	19980414	AU 1997-43833	19970909
EP 931070	A1	19990728	EP 1997-941998	19970909
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, PT, LT, LV				
BR 9711407	A	19990817	BR 1997-11407	19970909
CN 1230951	A	19991006	CN 1997-198078	19970909
JP 2001501924	T2	20010213	JP 1998-514242	19970909
ZA 9708452	A	19990319	ZA 1997-8452	19970919
PRIORITY APPLN. INFO.:			DE 1996-19638486 A	19960920
			WO 1997-EP4894 W	19970909
OTHER SOURCE(S):			MARPAT 128:243961	
GI				



AB Title compds. [I; R = COR3; R1,R2 = H, halo, alkyl, alkoxy, etc.; R3 = dioxocyclohexyl group II; R4,R5,R7,R9 = H or alkyl; R6 = H, (un)substituted (cyclo)alkyl, heterocyclyl, etc.; R8 = H, alkyl, alkoxy, carbonyl; R6R9 = bond or alkylene; R6R7 = O; Z = substituted (N-oxido) CH:CHCH:N, -CH:CHN:CH, substituted CH:CHCH2NH, -CH:CHNHCH2, etc.] were prepd. as herbicides (no data). Thus, 1,3-cyclohexanedione

was

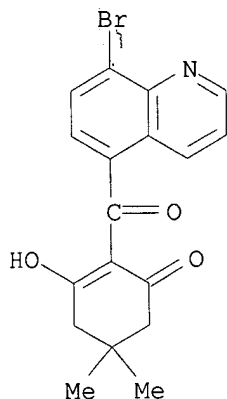
O-acylated by 8-bromo-5-quinolinecarboxylic acid (prepn. given) and the product rearranged to give 2-(8-bromo-5-quinolyl)carbonyl-1,3-cyclohexanedione.

IT 205045-89-2P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heteroaroylcyclohexanediones as herbicides)

RN 205045-89-2 CA

CN 2-Cyclohexen-1-one, 2-[(8-bromo-5-quinolyl)carbonyl]-3-hydroxy-5,5-dimethyl- (9CI) (CA INDEX NAME)



Cher
R7 = is + here.
want not in case

=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.77	143.79
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.12	-1.12

FILE 'CAOLD' ENTERED AT 18:20:37 ON 13 AUG 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

(FILE 'HOME' ENTERED AT 18:18:42 ON 13 AUG 2001)

FILE 'REGISTRY' ENTERED AT 18:18:48 ON 13 AUG 2001

L1 STRUCTURE UPLOADED

L2 5 S L1

L3 100 S L2 FULL

FILE 'CA' ENTERED AT 18:19:52 ON 13 AUG 2001

L4 2 S L3

L5 2 S L4 AND WITSCHER, M?/AU

FILE 'CAOLD' ENTERED AT 18:20:37 ON 13 AUG 2001

=> s 13

L6 0 L3

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.31	144.10
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-1.12

STN INTERNATIONAL LOGOFF AT 18:20:53 ON 13 AUG 2001

Connection closed by remote host